

Chemotherapeutic Experiments With Heparoma
by D. Schmahl, 5 pp.
GERMAN, per, Arzneimittelforschung, Vol XIII,
No 5, 1963, pp 370-371.
NIH 4-18-64

Sci - Biol & Med
Jul 64

262,174

Schmahl, D. and Reiter, A.
TESTS OF CARCINOGENIC PROPERTIES OF
SMOKED PRODUCTS. [1962] 9p.
Order from K-H \$11.25 K-H-3199-d

Trans. of [Zeitschrift für] Krebsforschung (West
Germany) 1953, v. 59, no. 4, p. 397-401.

DESCRIPTORS: *Tobacco, Toxicity, *Cancer, Tests.

(Biological Sciences--Pathology, TT, v. 8, no. 10)

62-22716

- I. Schmahl, D.
- II. Reiter, A.
- III. K-H-3199-d
- IV. Kresge-Hooker Science
Library Associates
Detroit, Mich.

0226366

Office of Technical Services

Quantitative Analysis of the Experimental
Production of Cancer, by H. Druckrey, D. Schmehl.

GESPMAH, per, Naturwissenschaften, Vol XLIX,
No 10, 1962, pp 217-228.

NIH 10-3-62

Sci - Med

Dec 62

218, 882

Experimental Study on the Mechanism of
Hematogenic Metastasis in Cancer, by D. Schmahl,
8 pp.

GERMAN, per, Deutsche Medizinische Wochenschrift,
~~VOXXXXXXSTXX~~ Vol LXXXVI, No 13, 1961, pp 607-610.

NIH 9-2-61

Sci - Med

Jan 62

178,812

The Measurement of Fluorescence in
Cigarette Smoke, by D. Schmal,
Druckmay.

GERMAN, per, Arzneimittelforschung,
Vol IV, No 2, pp 71-75.

CSIRO

Sci - ~~REF~~ Chem
Dec 61

175, 783

Cancerogenic Effect of 4-Aminopropiophenone After
Feeding to Rats, by D. Schmahl, 3 pp.

GERMAN, per, Naturwissenschaften, Vol XLIV, 1957,
pp 564.

NIH 12-14

Sci • Medicine
Jan 60

105,306

62-22717

Schmahj, Dietrich and Schneider, Hasn.
DIMINUTION OF THE INTENSITY OF FLUORESCENCE OF CIGARET SMOKE AFTER THE ACTION OF LIGHT. [1962] 13p.
Order from K-H \$16. 25 K-H 3808-c

Trans. of Arzneimittel-Forschung (West Germany)
1955, v. 5, no. 6, p. 348-350.

DESCRIPTORS: *Cigarettes, *Smokes, Tobacco,
*Fluorescence, Light, Intensity.

- I. Schmahj, D.
- II. Schneider, H.
- III. K-H-3808-c
- IV. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

C226367

(Chemistry--Analytical, TT, v. 8, no. 10)

Office of Technical Services

†
Reactions With Chloromethylsulfinyl Chloride. VIII.,
by H. Brintzinger, H. Schmahl, 1 p. UNCLASSIFIED

GERMAN, per, Chem Ber, Vol LXXXVII, 1954, pp 314-320.

CIA/FDD/X-1514

Scientific - Chemistry

19,598

The Temperature Dependence of Oxidation
of Pure Iron in Oxygen, by H.C. Schmalz,
H. Samzun, et al.
GERMAN, per, Arch. Eisenh., Vol 29,
Feb 1958, pp 63-68.
DTSI 4258

64

H. C. Schmalz

Sci/AMM
Sep 65

389,345

A Theoretical Analysis of the Excessively
High Temperatures Occurring During the
Scaling of Pure Iron, by H.G. Schmahl,
U. Hausman, et al.
GERMAN, per, Arch. Eisenh., Vol 20,
Jan 1958, pp 41-46.
BISI 4239

H. G. Schmahl

Sci/4815
Sep 65

380,346

The Influence of Temperature on the Oxidation of
Pure Iron in Oxygen, by H. G. Schmahl, H. Baumann,
H. Schenk, 21 pp.

GERMAN to FRENCH, per, Arch Eisenhüttenw, Vol XXIX,
1958, pp 83-88.

CEA Tr A-528.

Sep 59

EQUILIBRIUM INVESTIGATIONS ON MAGNEBIO-
WUSTITES AND MAGNESIO-FERRITES, BY H. G.
SCHMAHL, ET AL.

GERMAN, PER ARCHIV FUER EISENUTTENWESEN,
VOL XXXII, MAY 1961, PP 297-302.

BISI 24LL

SCI - CHEM

NOV 61

172,271

On Carbide Hydrolysis, by N. G. Schmal 10 pp. 21
ZEPHIN, per, Z. Elektrochem. Vol 40, No 2, 1934,
pp 68-70.
NASA TT F 12,873

N. G. Schmal
sci/chem
may 70

The Rate of Scaling of Pure Iron in Oxygen at
Reduced Pressures and in Carbon Dioxide, by
H. G. Schmalz, et al. UNCLASSIFIED

Vol. XIX
GERMAN, *per*, Arch Eisenhuettenwesen, *Vol* 3, 1958,
pp 147-152.

British Iron and Steel Ind 1036
(L3.10.0)

Sci - Min/Mat
Dec 58

61-18440

78,433

Temperature Dependence of Scaling of Pure
Iron in Oxygen, by H. G. Schmahl.
GERMAN, per, Arch. Eisenhuttwes., Vol. 29,
No 2, 1958, pp 83-88.
CRL/T 2186

N. G. Schmahl

Sci -
Jul 67

333,885

Contribution to the Theory of the Smearing
of Pure Iron and of Scaling in General,
by N. G. Schmahl, et al.
GERMAN, per, Arch. Eisenh. Vol 27,
Nov 1956, pp 707-713.
BISI 4377

89

N. G. SCHMAHL

US-Germany
Sci/860
Jan 66

294,625

On Carbide Hydrolysis, by W. G. Schmakl,
GERMAN, ber, Z fuer Elek-Chem, Vol 40, 1934,
pp 68-70
*NASA-TT-F-12,873

53

Sci/Chem
Mar 70

W. G. Schmakl

The Problem of the Nature and Origin of Gas Pores in
Welded Joints, by A. A. Alov, G. V. Bobrov, V. M.
Schmakov, 4 pp.

RUSSIAN, per, Svaroch Proiz, No 3, 1961, pp 9-10.

EWRA

Sci

Feb 62

184, 835

On the Use of Ultrasonics in the Brewery, by A. Schmal, 10 pp.

GERMAN, Schweizer Brauerei-Rundschau (Swiss Brewery Review), Vol LXIV, No 1, Jan 1953, pp 1-4.

S.L.A. Tr : 605/1955

Sci - Electronics
Apr 1957 CRS/dex

50, 237

Automation of a 12-Roll Reversing Cold Rolling,
Mill, by Schmale *JH.*

GERMAN, semino per, Stahl und Eisen, Vol LXXVI,
13 Dec 1956, pp 1698-1700.

British Iron & Steel Inst
~~Co-op Tr Sch Tr 641~~
(£1.5.0)
SH 61-16364
57,708

Sci - Engr
Jan 58

Soviet Russians as Opponents at Sea, by B. V.
Ran Foerster, P. Schmalebach, J. Rohrer, K. K.
Birnbaum. UNCLASSIFIED

GERMAN, rpt, US Navy Sponsored Study, Vol I-IV.

Navy 1807/ONR 287

USSR
M11
Jan 59

79,863

African Art, by Werner Schmalenbach, 176 pp.

UNKNOWN

MacMillan Company (1954)
New York

Jan 63

Condensation Products Of Urea and Formaldehyde As
Sources Of Nitrogen In Plant Nutrition. by
Schmalzuss and Michael.

GERMAN, per, Bodenkunde Und Pflanzenernahrung,
Vol LXXII, 1956, pp 193-200.

CSIRO

Oct. 62

The Spoilage of Fats and its Significance for
Economy and Life, by H. Schmalzfuss.

GERMAN, per, Milchwissenschaft, Vol II, 19⁴7,
pp 235-247.

Natl Res Coun 2282

Sci
Aug 58

70,843

Production of Defective Olfactory Organs in the
Sturgeon During Artificial Propagation, by
O. I. Schmalgauzen, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIV, No 1,
1957, pp 216-.

Amer Inst of Biol Sci

Sci - Biology

Aug 58

70,314

Influence of Regenerator Layout on the Preheating
of Air and Gases in Triple-Gas Fired Open-Hearth
Filtrig Furnaces, by H. Voigt, G. Schmalhaus. UKCL

GERMAN, per, Stahl u Eisen, 22 Jan 1959,
pp 80-88.

British Iron and
Steel Ind 1228
(15 10s.0d.)

Sci - Engr
May 59

86,772

Influence of Regenerators Design on the Performance
of Air and Gas in Triple-Gas Fired Open-Hearth
Tilting Furnaces, by K. Voigt, C. Schmalhaus.

GERMAN, *pat*, Stahl und Eisen, 1959, pp 30-38.

C.S.I.S.G.

Sci-Met

May 60

115,962

The Hereditary Information and Its Transformations,
by I. I. Schmalhausen, 8 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, 1958,
pp 187-190.

AEC 3468

Sci - Biol

Jan 59

79,565

<p>Schmalkalden, H. Frank. GRINDING AND LAPPING OF HARD METAL TOOLS WITH DIAMONDS. [1960] 7p. (section II omitted). Order from SLA mi\$1.80, ph\$1.80 61-10074</p> <p>Trans. of Werkstatt und Betrieb (Germany) 1939 [v. 72] July, p. 180-184.</p> <p>(Unannounced)</p>	<p>61-10074</p> <ol style="list-style-type: none">1. Tool steel--Machining2. Tools--Machining3. Diamond wheels--Effectiveness <ol style="list-style-type: none">1. Schmalkalden, H. F. <p>Office of Technical Services</p>
--	--

Method and Apparatus for Measuring the Wearage of
Transmission Shafts, by Gustav Schmalz, 5 pp.

GERMAN, Patent No 402,815.

Dept of Commerce
Patent Office
Sci Lib (gift)

Sci - Engineering
Oct 58

75,470

Evaluation and Measurement of Surface Quality, by
Gustav Schmalz, 322 pp.

Full translation.

GERMAN, ~~HE~~ book, J. Springer, Berlin, 1936.

S.L.A. T.R. 606

Scientific -

Aug 55

27,279

121
Defects in Ternary Ion Crystals, by
H. Schmalzried, C. Wagner.
GERMAN, per, Zeit. Phys. Chem., Vol 31,
1962, pp 198-221.
NLL Ref: 9022.09 (4804)

H. Schmalzried

Sci-Phys
Mar 69

376,824

Ion and Electron Conduction in Binary Gases and Their
Study by Means of R.F. Measurements, by
Hermann Schusterling, 17 pp.
GERMAN, Jour. Z. Naturforschliche Chemie, Vol. XXXVIII,
1963, pp 81-102.
AEC-SC-T-Contract-66

B151 4784

Sci-Planet Act
Jun 64

260,903

Recherche de la repartition des cations dans
les structures spinelle au moyen des rayons X,
by H. Schmalzried.
GERMAN to FRENCH, per, Z Phys Chem, X No 28,
1961, pp 203-219.

Reverse Translation
CEA-A-1728

Sci
Jan 65

Recherche de la repartition des cations dans
les structures spinelle au moyen des rayons X,
by H. Schmalzried.
GERMAN to FRENCH, per, Z Phys Chem, X No 28,
1961, pp 203-219.

Reverse Translation
CEA-A-1728

Sci
Jan 65

The Transport of Ions and Electrons in
Binary Oxides and its Investigation by
Means of EMP Measurements, by H. Schmalzried.
GERMAN, per, Zeitschrift für Physikalische
Chemie, Vol 38, 1963, pp 87-102.
*NISI 4784

85-

H. Schmalzried

EE-Germany
Sci/M&M
Apr 66

Reaction Mechanism in the Formation of Spinel
in the Solid State, by Hermann Schmalzried, 23 pp.

GERMAN, per, Zeit. fuer Physikalische Chemie,
Vol XXXIII, pp 111-128, 1962.

AEC-UCRL-Tr-961(L)

Sci-Phys
Nov 63

241,372

Measurement of the Free Enthalpy of Reaction in
the Formation of Spinel Phases From the Single
Oxides by the Help of Galvanic Cells, by Hermann
Schmalzried, 18 pp.

GERMAN, per, . fuer Physikalische Chemie,
Vol XXV, 1960, pp k 178-192. 9097893

AEC UCRL Tr-762(L)

Sci - Phys, Chem
Apr 62

189,929

Small Angle Scattering on Neutron-Irradiated Copper,
by W. Schilling, W. Schmatz, 8 pp.
GERMAN, per, Physica Status Solidi, Vol IV, 1964,
pp 95-101. 9236270
AEC-ANL-Tr-94

P 32

Sci-Mat & Met
Jan 65

272,479

Interfibre Cohesion and Resistance to
Drafting, by K. Schmauder.
GERMAN, per, Deuts. Textiltechnik, Vol 4,
1957, pp 241-245.
GB/256/T.609

K. SCHMAUDER

Sci -
Jul 67

334,766

The Temperature Effect of Precipitation, by
A. Schmanus, 4 pp. UNCLASSIFIED

GERMAN, per, Meteorologische Zeitschrift, Vol. XXXIX,
No 8, 1922, pp 241-242.

Am Met Soc T-2609

Air Res and Dev
~~Engineering~~ Command

T-186-8

17.553.

SLA Tr 57-625.

Scientific - B Geophysics

The Atmosphere as a Colloid, by A. SCHRAMM,
A. Wigand, 53 pp:

GERMAN, par, Collection Vieweg, Vol XXVI, 1929
p 74.

SLA Tr 3097

Sci
May 58

63,578

Diurnally Fixed Pressure Waves in the
Atmosphere, by August Schmauss, 31 pp.

GERMAN, per, Zeitschrift Fuer Meteorologie,
Vol II, No 9, pp 257-259; Vol II, No 10, pp 295-
300; Vol II, No 12, pp 360-366, 1948.

Am. Met. Soc. T-8599E
Air Res and
Dev Command
T-185-2
CIS/DEX

Scientific - Astronomy

13,535

<p>Schmauss, A. K. PATHOGENESIS, CLINIC AND THERAPY OF ACUTE PANCREATITIS FOLLOWING GASTRECTOMY (Pathogenese, Klinik und Therapie der nach Ulcusresektionen Auftretenden Akuten Pankreatitis). [1963] 5p. Order from SLA \$1.10 63-16389</p>	<p>63-16389 I. Schmauss, A. K.</p>
<p>Trans. of Fortschritte der Medizin (West Germany) 1959, v. 77, 1 Apr, p. 181-182.</p>	
<p>DESCRIPTORS: *Pancreas, *Inflammation, *Gastrointestinal system, Excision, Diagnosis, Therapy.</p>	
<p>(Biological Sciences--Surgery, TT, v. 10, no. 5)</p>	<p>1648830</p>
	<p>Office of Technical Services</p>

Pathogenesis, Clinic and Therapy of Acute
Pancreatitis following Gastrectomy, by
A. K. Schmauss.

GERMAN, per, Fortschritte der Medizin,
Vol XLXVII, No 7, 1959.

CIA/FDD X-5124

Sci - Biol & Med Sci
Apr 63

229, = 72

Markings and Guiding Facilities at Autobahn Intersections, by G. Schmehl ¹³
GERMAN, per, Die Strasse, Vol 6, No 7, April 1964,
pp 326-337
DIA LN 272-67

G. Schmehl

Exec-Germany
Econ
Nov 67

341812

STANDARDIZATION OF ELECTRO-TECHNOLOGY WITHIN
THE CEMA COUNTRIES, BY HEINZ SCHMEIER, 8 PP.

GERMAN, PER, STANDARDISIERUNG, NO 19,
OCT 1962, PP L/1169-1/1672.

JPRS 16493

EEUR - SOV BLOC
ECON
DEC 62

217.331

K. Schmeiser

**Thermal Conductivity of Yellow Phosphorus in
the Temperature Range $+16$ to $+80^{\circ}$ C,
by K. Schmeiser.
GERMAN, per, Zeit fuer Phys, Chemie. Neue Folge,
vol. 39, 1963, pp. 27-44.
NTC 71-12735-07D**

July 71

On the Radiation of Thorotrast Deposits in Living
Tissues, by H. Maier-Leibnitz, K. Schmeiser, M.
Schwaiger,

GERMAN, per, Z. Naturf, Vol IV A, 1949, pp 15³k-154

TPA3/TEH TIB, T 6222

11,001

Scientific - Biology

Electrochemical Fluorination, by M. Schneisser,
P. Sartori, 9pp.
GERMAN, per, Chemie-Ingenieur-Technik,
Vol 36, 1964, No 1, pp 9-14.
CFSTI TT-64-18087

M. Schneisser

323,225

Sci - Chemistry
Apr 67

63-10603

Schmeisser, M. and Brändle, K.
HALOGEN NITRATES AND THEIR REACTIONS: THE
CHEMISTRY OF THE POSITIVE OXIDATION STATES
OF THE HALOGENS. 14 July 61, 21p. 31 refs.
Order from SLA \$2.60 63-10603

I. Schmeisser, M.
II. Brändle, K.
III. Title: Chemistry...

Trans. of Angewandte Chemie (West Germany) 1961,
v. 73, no. 11, p. 388-393.

DESCRIPTORS: *Halogen compounds, *Chlorine com-
pounds, *Bromine compounds, *Iodine compounds,
*Nitrates, Nitrogen compounds, Oxychlorides, Com-
plex compounds, Physical properties, Chemical prop-
erties, Chemical reactions

63-10603

(Chemistry--Inorganic, TT, v. 10, no. 1)

Office of Technical Services

62-16448

Schmelsser, M. and Schwarzmann, M.
SILICON-DIBROMIDE (SiBr₂)_x AND ITS DERIVATIVES. [1962] 12p. 13 refs.
Order from SLA \$1.60 62-16448

I. Schmelsser, M.
II. Schwarzmann, M.

Trans. of Z[eitschrift für] Naturforsch[ung] (West Germany) 1956, v. 11b, no. 5, p. 278-282.

DESCRIPTORS: *Silicon compounds, *Bromides, Hydrolysis, Chlorination, Fluorination, Ammonia, Magnesium, Acetic acids, Chemical reactions, Hydrogenation, Grignard reactions.

C225993

It is possible to obtain a silicon subbromide of the composition (SiBr)_x from SiBr₄ and magnesium in ether solution; at 1200°C. from SiBr₄ and elementary silicon, besides the already known Si₂Br₆, originates the unknown until now (SiBr₂)_x as colophonium-like, solid substance well soluble in benzene and other organic solvents. It was possible to obtain it by sev- (Chemistry--Inorganic, TT, v. 8, no. 9) (over)

Office of Technical Services

Improved Method for Producing Nitrogen Trifluoride,
by Martin Schmeisser, 3 pp.

GERMAN, patent application Sch 23 266 (121, 10)
DAS 1 052 369, filed 16 Dec 1957, pub 12 Mar 1959.

RIS rept. 97048

Sci

OTS, Vol III, No 8

Apr 61

145, 126

Sintered Materials From Metallic and Non-Metallic
Powders, by W. Seith, I. W. Munster, H. Schmecken,
8 pp. UNCLASSIFIED

GERMAN, book, Technical Articles Summarized for the
Occasion of the 100th Anniversary of the Firm
Platinschmelze, Hanau, West Germany, Austria,
Apr 1951, pp 224-242. (Encl to ATI-2420-52, Hq USAFE,
ATI Br, 3 Nov 1952).

AF 467130

Scientific - Metallurgy, materials, powders

CIA No 1004619

Jan 52 CTS/DEX

A-8229

Raffination of Diesel Fuels by Catalytic
Hydrogenation, by F. Schmalzing.

GERMAN, mo per, Erd Oel und Gas Kohle, Vol IX,
No 7, 1956, pp 450-452.

Tech and Comm Tr
\$34.00

Sci - Chemistry; Fuels
CTG/dex Jan 1957

42,017

Schmeling, P.

PRELIMINARY RESULTS ON THE RELEASE OF
XENON-133 FROM URANIUM MONOCARBIDE
POWDER. [Special Technical rept. on Research into
the Diffusion of Inert Gases in Solid Bodies] 11 Nov 61 -
12 Mar 62, on Contract 064-61-8-RDD. [1962] 14p.
HMI EU-B-15.

Order from OTS or SLA \$1.60

EURAE-361

Trans. of a rept. from Hahn-Meitner-Institut für
Kernforschung, Berlin (West Germany) n. d.

DESCRIPTORS: *Xenon, Rare gases, Gas diffusion,
Solids, *Uranium compounds, *Carbides, Powders,
Radiochemistry, Heat treatment, Grain structures
(Metallurgy), Radioactive isotopes.

The release of xenon-133 from coarse powders of
uranium monocarbide was measured, and in most
cases acceptable release curves resulted. When heated
(Nuclear Physics and Nuclear Chemistry, TT, v. 10,
no. 6)
(over)

63-15650

- I. Schmeling, P.
- II. Title: Research ...
- III. HMI EU-B-15
- IV. EURAE-361
- V. European Atomic Energy
Community,
Brussels (Belgium)

1244538

Office of Technical Services

Schmeling, P.

PRELIMINARY RESULTS ON THE RELEASE OF
XENON-133 FROM URANIUM MONOCARBIDE.
[Special Technical rept. 6 on Research into the Dif-
fusion of Inert Gases in Solid Bodies]. June 61 -
2 Mar 62, on Contract 064-60-8-RDD. [1962] 21p.
8 refs. HMI EU-B-16.
Order from OTS or SLA \$1.60 EURAEC-362

Trans. of a rept. from Hahn-Meitner-Institut für
Kernforschung, Berlin (West Germany) n. d.

DESCRIPTORS: *Xenon, *Uranium compounds,
*Carbides, *Tantalum, Chemical reactions, *Rare
gases, Gas diffusion, Solids, Radiochemistry, Radio-
active isotopes.

The release of Xenon-133 from bulk uranium mono-
carbide was studied at 950-1900° C in vacuum, where-
by the chemical reaction between the specimen and the
(Nuclear Physics and Nuclear Chemistry, TT, v. 10,
no. 6) (over)

63-15644

- I. Schmeling, P.
- II. Title: Research ...
- III. HMI EU-B-16
- IV. EURAEC-362
- V. European Atomic Energy
Community,
Brussels (Belgium)

1244536

Office of Technical Services

63-15647

Schmeling, P.

RELEASE OF FISSION RARE-GAS DURING PAD HEATING AS A RESULT OF CHEMICAL INTERACTIONS AND ITS FALSE INTERPRETATION AS BEING DIFFUSION. [Special Technical rept. 4 on Research into the Diffusion of the Inert Gases in Solid Bodies] 11 Nov 61- 12 Mar 62, on Contract 064-61-8-RDD. [1962] 48p. 54 refs. HMI EU-B-14. Order from OTS or SLA \$4.60 EURAEC-360

- I. Title: PAD
- I. Schmeling, P.
- II. Title: Research ...
- III. HMI EU-B-14
- IV. EURAEC-360
- V. European Atomic Energy Community, Brussels (Belgium)

Trans. of a rept. from Hahn-Meitner-Institut für Kernforschung, Berlin (West Germany) n. d.

1144537

DESCRIPTORS: *Rare gases, Radiochemistry, *Gas diffusion, Solids, Uranium, Uranium compounds, Carbides, Dioxides, *Fission products, Corrosion, Xenon, Powders, Single crystals, Heating.

The experimental difficulties encountered when measuring the diffusion of fission gases are pointed out. Re- (Nuclear Physics and Nuclear Chemistry, TT. v. 10, no. 6) (over)

Office of Technical Services

<p>Schmeling, P. EVALUATION OF GAS RELEASE CURVES ATTAINED DURING PAD EXPERIMENTS. I. MULTI- TEMPERATURE ANNEALS WITH $F < 0.2$. [Special Technical rept. on Research into the Diffusion of Inert Gases in Solid Bodies] 11 Nov 61-12 Mar 62, on Contract 064-61-8-RDD. [1962] 15p. 2 refs. HMI EU-B-13. Order from OTS or SLA \$1.60 EURAEC-359</p>	<p>63-15643</p> <ol style="list-style-type: none">I. Title: PAD experiments1. Schmeling, P.II. Title: Research ...III. HMI EU-B-13IV. EURAEC-259V. European Atomic Energy Community, Brussels (Belgium)
<p>Trans. of a rept. from Hahn-Meitner-Institut für Kernforschung, Berlin (West Germany) n.d.</p>	<p>1962 10 10</p>
<p>DESCRIPTORS: *Fission products, Gases, *Helium group gases, Diffusion, Graphic analysis, *Reactor fuels, Annealing.</p>	<p>Office of Technical Services</p>
<p>When measuring the accumulated release of fission gases during a PAD experiment, the temperature is (Nuclear Physics and Nuclear Chemistry, TT, v. 10, no. 3) (over)</p>	

...
Bogdandy, Rudolf Schmelke, Gerhard Winkler.
UNCLASSIFIED

GERMAN, year, Arch fur das Eisenbahntwesen, Vol
XXIX, No 4, Apr 1958, pp 231-234.

Heavy 2465/ERL 782

Bei - Min/est
Apr 60

113,834

Carbon Layers with Diamond Structure, by
Heinz Schmoltenmeier. 124
GERMAN, per, Zeitschrift für Physikalische Chemie,
(Leipzig), Vol 205, No 6, 1956, pp 349-350.

*AEC-115-80

EDC 6-24-66

Schmoltenmeier, Heinz

Sci/Physics
Jun 66

Sun-Flare Effects in the Lower Ionosphere, by ⁶¹⁷ K. H. Schmelovsky,

GERMAN, per, Radio und Fernsehen, No 13, July 1959,
Berlin, pp 412-414.

URABIA SC-83/59

Sci - Geophysics

f

Feb 60

108,475

Influence of Correlation between Receiver Field Intensities in Diversity Reception, by K. H. Schmelovskij, 9 pp.

GERMAN, per, Hochfrequenztech u Elektroak, Vol. LXV, No 3, 1956, pp 74-76.

Moss D. Friedman

SIA 57-3140

Sci

71,034

Aug 58

Electron Concentration in the Outer Ionosphere According to Observations of Sputnik III, by K.H. Schmelovsky, P. Klinder et al, 9 pp.

RUSSIAN, per, Geomagnetizm i Aeronomiya, Vol III, No 1, 1963, pp 25-36.

AGU

Sci

May 64

258,470

Theoretical Investigations of the Structure of the
F2 Layer and the Outer Ionosphere, by K. H. Schmelov-
sky, 7 pp.

RUSSIAN, per, Geomagnitizm i Aeronomiya, Vol III,
No 2, 1963, pp 204-212.

AGU

Sci
May 64

258,516

Partial Reflections in-High-Tropospheric-Wave-Action,
by Karl-Hainz Schmelovsky, LL. YP.

GERMAN, per, Z fuer Met, Vol X, No 8, 1956,
pp 239-243.

Axar Meteorol Soc
MIP Cambridge Mass Center

Sci - Geophys

Jan 60

106,236

SETEE

(NY-4275).

Fifteen Years of the Development of the
Czechoslovak National Economy and Foreign
Trade, by R. Schmelz, 12 pp.

CZECH, per, Zahranicni Obchod, No 5, 1960,
pp 44-51.

JPRS 5799

129,801

EEur - Czechoslovakia
Econ
19 Oct 60

A. The Technical Development of Industry in the
Three-Year Plan, by Gyozo Schmalzer; B. From
Here and There; 7 pp. (FD 2085265)

HUNGARIAN, per, Huszaki Enot, 12 Jun 1958, pp 3, 8.

ACSI, H-1991

EEur - Hungary

Econ

Oct 58

75,449

**Contributions to the Knowledge Regarding the Virus
of the "Tabak-Rippenbrauns" by M. Klinkowski and
K. Schmelzer.**

**GERMAN, per, Phytopathologische Zeitschrift, Vol. XXVIII,
No 3, 1957, pp 285-306**

CBIRO

Oct. 62

New Respiratory Devices for Rescue Operations
Recently Placed in Service in the Mines of
Austria and Hungary, by H. Schmeber. 13 pp.
FRENCH, per, Genie Civil (Paris), Vol 32,
1897-1898, pp 359-361.
NASA TT F-12,838

H. Schmeber

sci/hand m
ma7 70

406,930

English Title Unknown, by H. Schwerber.
FRENCH, per, Le Genie Civil, Vol 32, 1897-1898,
pp 359-361.
*NASA TT F-12,838

H. Schwerber

Jan 70

Comparative Studies of the Effect of Fast Electrons
and X-Rays on the Cornea of Salamander Larvae, by
H. Czech, R. Czech, H. J. Schormund, 7 pp.

GERMAN, per, ^{LXXI}Strahlentherapie, Vol ~~XXXI~~, 1950, pp
187-192.

AEC Tr 3472

Sci - Med
Feb 59

81, 294

Changes in the Blood of the Rat Following
Total Body Irradiation With Either X-Rays or
Gamma Rays, by W. Dittmann, G. Fuchs, H. J.
Schwarz, 6 pp.

Strahlentherapie, Vol 10, 1958,
pp 78-87.

ABO 3425

Sci - Med

Dec 58

78, 256

A Comparison of the Effect of X-Rays and Fast
Electrons From a 6 Mcv Betatron on Growth and
Cell Division in Chick Embryo Tissues, by W. J.
Grimshaw, D. M. Williams, 25 pp.

GRIMSHAW, per, Strahlentherapie, Vol LXXXVI, 1952,
pp 227-240.

APC 3402

Sci - Nuc Phys

77,944

Doc 58

Automatic Central Grease Lubrication in the
Cement Industry, by G. Schmerson.

GERMAN, per, Zement-Kalk-Gips, Vol XIII,
No 6, 1960, pp 274-278.

CSIRO

Sci - Engr
Aug 62

211, 144

27
Comments on the Discontamination Factor in the
Reprocessing of Uranium by Volatilization,
by J. Schneck, P. D.
FRENCH, *et al.*, Mar 1964. 9225877
AEC-ANL-Tr-74

Set-Mat & Mat
Jan 65

270,576

105
Reprocessing of Irradiated Fuels, by J. Schinets.
FRENCH, rpt, Retraitement des Combustibles Irradies
Contrat de Recherche et de Developpement avec le
Centre d'Etude de l'Energie Nucleaire, Apr 1-30 Jan
1964.
•AEC

Sci-~~INTX~~ Fuels/Prop
Aug 65

Company of America, by J. Schmets. 86
RSCN, rpt, Netraitement des Combustibles Irradiés
Contrat de Recherche et de Développement Avec le
Centre d'Etude de l'Energie Nucléaire, 1961, Oct 1-
Dec 31, 1964.
*ABC ANL

J. Schmets

Sci/Nuclear Sci
Nov 66

Reprocessing of Irradiated Fuels, by J. Schmitz. 105
FRENCH, rpt, Retraitement des Combustibles
Irradies: Contrat de Recherche et de Développement
avec le Centre d'Etude de l'Energie Nucleaire,
Jul 1-30 sep 1964.
•AEC

Sci-Fuels/Prop
Aug 65

Schmets, J. and Speeckaert, Ph.
REPROCESSING IRRADIATED FUELS: TRIP REPT--
ARGONNE, BROOKHAVEN, OAK RIDGE, NEW YORK,
NOV-DEC 61. Special rept. 3, Nov-Dec 61, on
Contract 049-61-4 RDB. [1962] 11p.
Order from OTS or SLA \$1.60 EURAEC-298

Trans. of a rept. from Centre d'Étude de l'Énergie
Nucléaire, Mol (Belgium) n. d.

DESCRIPTORS: *Reactor fuels, *Reactor fuel
processing, Chlorination, Fluorination.

(Nuclear Physics--Nuclear Engineering, TT, v. 10,
no. 5)

63-15631

- I. Schmets, J.
- II. Speeckaert, P.
- III. EURAEC-298
- IV. European Atomic Energy
Community, Brussels
(Belgium)

AC42796

Office of Technical Services

62-33161

Schmets, J.
REPROCESSING OF IRRADIATED URANIUM. Quarterly report no. 2, July-Sep 61, on Contract 049-61-4 RDB. [1962] 59p. 15 refs.
Order from OTS or SLA \$5.60 EURAEC-207

- I. Schmets, J.
- II. EURAEC-207
- III. EURATOM (Belgium)

Trans. of a rept. from Centre d'Étude de l'Énergie Nucléaire, Brussels (Belgium) Nov 61.

DESCRIPTORS: *Reactor fuels, *Uranium, Processing, Gravimetric analysis, Chlorination, Fluorination, Reaction kinetics, *Plutonium, *Fission products, *Powder metallurgy.

Reduction and chlorination reactions were studied by thermogravimetry, in order to improve the cycle of retreatment by chlorination. Research was started on the transformation of chlorides into fluorides. A study was made on the reduction of U_3O_8 in the presence of (Nuclear Physics and Nuclear Chemistry, TT, v. 9, no. 1)
(over)

Office of Technical Services

Schmets, J. and others.
RETREATMENT OF IRRADIATED FUELS. Quarterly
rept. no. 7, 1 Oct-31 Dec 61, on Contract 049-61-4 RDB
[1962] 29p.
Order from OTS or SLA \$2.60 EURAEC-263

Trans. of a rept. from Centre d'Étude de l'Énergie
Nucléaire, Mol (Belgium) n. d.

DESCRIPTORS: Nuclear reactors, *Reactor fuels,
*Reactor fuel processing, Chlorination, Uranium com-
pounds, Chlorides, Fluorides, Chemical reactions,
Reaction kinetics, Fission products, Decontamination,
Powder metallurgy, Plutonium.

(Nuclear Physics--Nuclear Engineering, TT, v. 9, no. 3)

63-13129

- I. Schmets, J.
- II. EURAEC-263
- III. EURATOM (Belgium)

C227624

Office of Technical Services

62-32155

Schmets, J. and Heremans, R.
DÉCONTAMINATION FACTOR OBTAINED DURING
RETREATMENT BY VOLATILIZATION OF IRRADI-
ATED URANIUM OXIDE. Special rept. no. 2 on
Contract 008-60-4 RDB. [1962] 49p. CEN BLG-58.
Order from OTS or SLA \$4.60 EURAEC-165

Trans. of rept. from Centre d'Étude de l'Énergie
Nucléaire, Brussels (Belgium) Sep 61.

DESCRIPTORS: *Uranium compounds, *Oxides, *Fission
products, *Decontamination, Vapor pressure, Oxida-
tion, Reduction, Fluorination, Rare earths, Ruthenium,
Niobium, Iodine, Molybdenum, Tellurium, Neptunium,
Purification.

(Nuclear Physics--Nuclear Engineering, TT, v. 9, no. 3)

I. Schmets, J.
II. Heremans, R.
III. CEN BLG-58
IV. EURAEC-165
V. EURATOM (Belgium)

C227590

Office of Technical Services

Schmets, J. and others.
RETREATMENT OF SPENT FUELS. Quarterly rept. 2,
July-Sep 60. [1962] 136p. CEN R-1910.
Order from OTS or SLA \$10.50 EURAEC-24

Trans. of a rept. from Centre d'Étude de l'Énergie
Nucléaire, Brussels (Belgium) 1960.

DESCRIPTORS: *Reactor fuels, Chlorination, Kinetic
theory, Particles, Fission products, Disposal, Powders,
*Uranium compounds, *Fluorides, *Plutonium,
Chlorides, Carbides, Oxides, Kinetic theory,
Oxidation reduction reactions, Fluidized solids.

Contents:
Chlorination
Kinetics
Analysis of particles
Disposal of fission products
(Nuclear Physics--Nuclear Engineering, TT, v. 10,
no. 6) (over)

63-15815

I. Schmets, J.
II. CEN R-1910
III. EURAEC-24
IV. European Atomic Energy
Community, Brussels
(Belgium)

1244540

Office of Technical Services

Schmets, J.
THE REPROCESSING OF IRRADIATED FUELS.
Quarterly rept. no. 1 (Second Quarter, 1960).
28 July 60, 96p.
Order from OTS or SLA \$8.60 EURAEC-23

Trans. of rept. from Centre d'Étude del'Énergie
Nucléaire, Brussels (Belgium).

DESCRIPTORS: *Reactor fuels, Processing, Chlorina-
tion, Uranium compounds, Carbides, Oxidation, Re-
duction, Reaction kinetics, Physical properties,
Fission products, Powders, Powder metallurgy,
Fluorides, Plutonium, Fluorination.

Contents:
Chlorination
Kinetics, physical properties
Elimination of fission products
Technology of the powders
Technology of uranium hexafluoride
Plutonium.

62-12014

I. Schmets, J.
II. EURAEC-23
III. EURATOM (Belgium)

C226142

(Nuclear Physics--Nuclear Engi-
neering, TT, v. 8, no. 9)
Office of Technical Services

Study of a UFG Ionization Chamber, by J. Schmitt,
G. Calleri, R. Bellie, 21 pp.

FRENCH, rpt, BLG-54, 25 Nov 1960.

AEC Tr-4569

Sci
Aug 61

163,792

Decontamination Factor in Processing of Irradiated
Uranium Oxide, by Volatilization, by J. Schmets,
R. Heremans, 30 pp.

FRENCH,

~~HEREMANS~~. 9097855

AEC Tr-4880
ANL TR-74
189, 910

Sci - Nuc Phys
Apr 62

Concerning an Example Taken From Statistics, by
L. Schmotterer, 13 pp.

GERMAN, per, Z Angew Math u Mech, Vol XXXII,
No 8/9, Aug-Sep 1952, p-.

SLA 3183

May 58

63,159

The Machinery of the Turbine Trawler "Braunschweig, by
W. Schmick. UNCLASSIFIED

GERMAN, per, Schiff und Hafen, Vol VIII, No 3, 1956,
pp 167-176.

Navy 2768/BUSHIPS 706

Sci - Engineering
May 61.

150,488

Circulatory Changes Under Apresoline and Their
Significance for the Problem of Blood Pressure
Regulation, by A. Schmid, H. Kellner, 11 pp.

GERMAN, per, Cardiologia, Vol III, 1953, pp 349-
358.

S.L.A. Tr 607/1955

Sci - Medicine
Apr 1957 CTS/dex

50,238

Disassociation and Charge Exchange of Hydrogen and
Deuterium Molecules During Passage Through
Hydrogen, by Albert Schmid, 16 pp.

GERMAN, per, Zeit Physik, Vol CLXI, 1961, pp 550-557

ABC-Tr-5733

Sci - Phys

Aug 63

341,584

Dissociation and Charge Exchange of Hydrogen
and Deuterium Molecules During Passage Through
Hydrogen, by Albert Schmid. 15 pp.

GERMAN, per, Zeitschrift fuer Physik, Vol. CLXI,
1961, pp 550-559. 9207631.

AEC-Tr-5733

Sci - Phys
6 Jun 63

231,859

Regularities in Strontium Metabolism in the
Skeleton and Mechanism of Strontium Incorporation
Into the Bone System, by Albrecht Schmid, 20 pp.

GERMAN, per, Z. Physiologische Chemie, Vol CCCXXVI,
No. 5/6, 1961, pp 177. 9069385

AEC-tr-5418

Sci - Med
Dec 62 62

217,487

Recent Investigations of the Problem of Heavy-Oil
Recovery From Sand Deposits, Part 1, Recovery by
Mining and Flooding, by C. Schmid.

GERMAN, per, Erdol u ¹⁰Gas, Vol XI, No 1, 1958,
pp 6-11.

ATS 90K24G
ATS 122-GJ

Sci
May 59

87, 245

Recent Investigations of the Problem of Heavy-Oil
Recovery From Sand Deposits, Part II, Use of Heat
and Solvents, by C. Schmid.

GERMAN, per, Erdol u Kohle, Vol XI, No 2, 1958,
pp 72-75.

ATS 89K24G
ATS 123-GJ

Sci
May 59

87,246